



UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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09/252,507

Held

EXAMINER
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Varcoe

ART UNIT	PAPER NUMBER
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1764

11

DATE MAILED:

INTERVIEW SUMMARY

All participants (applicant, applicant's representative, PTO personnel):

(1) Francis Hone (3)

(2) Rick Varcoe (4)

Date of Interview Aug 7, 2001

Type: ☐ Telephonic ☐ Televideo Conference ☒ Personal (copy is given to ☐ applicant ☒ applicant's representative).

Exhibit shown or demonstration conducted: ☐ Yes ☒ No If yes, brief description:

Agreement ☐ was reached. ☒ was not reached.

Claim(s) discussed: 1

Identification of prior art discussed: Takeshima & Cornelison

Description of the general nature of what was agreed to if an agreement was reached, or any other comments:

Attorney stated that Takeshima uses an electric heater while Applicant does not, instead relying on gas composition to control the temp. Will amend claim 1 to emphasize that.

(A fuller description, if necessary, and a copy of the amendments, if available, which the examiner agreed would render the claims allowable must be attached. Also, where no copy of the amendments which would render the claims allowable is available, a summary thereof must be attached.)

☒ It is not necessary for applicant to provide a separate record of the substance of the interview.

Unless the paragraph above has been checked to indicate to the contrary. A FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION IS NOT WAIVED AND MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW.

Examiner Note: You must sign this form unless it is an attachment to another form.

RV

Aug 7, 2001, interview

In the Claims:

Please amend claims 1, 7, 12-14, 20, 21 and 23 in the following manner:

1        1. (Amended) An internal combustion engine arrangement comprising:  
2        a spark-ignited internal combustion engine;  
3        an exhaust line receiving exhaust gas from the internal combustion engine;  
4        an oxide gas absorber in the exhaust line including a support member; and an  
5        absorption layer on a surface of the support member having [an enlarged] a total surface  
6        area which is larger than that of the underlying area of the support member accessible to  
7        exhaust gas flowing through the exhaust line for reversible absorption of at least one  
8        nitrogen oxide (NO<sub>x</sub>) and/or at least one oxide of sulfur (SO<sub>x</sub>); and,  
9        a control <sup>means</sup> unit for controlling the temperature of the absorption layer by adjusting  
10       composition parameters of the exhaust gas <sup>to cause</sup> so that the absorption layer <sup>to</sup> can be heated to a  
11       temperature of at least about 500°C at which the layer is regenerated by desorbing absorbed NO<sub>x</sub> or SO<sub>x</sub>.

1        7. (Amended) An internal combustion engine arrangement according to claim 1  
2        wherein the support member contains a plurality of parallel passages [having a closed  
3        cross-section] through which exhaust gas can be passed and the absorption layer is on the  
4        inside surface of the passages..

1        12. (Amended) An internal combustion engine arrangement according to claim 1  
2        wherein the [enlarged] surface area of the absorption layer provides an area of at least  
3        20 m<sup>2</sup> accessible to the exhaust gas per gram of the absorption layer.